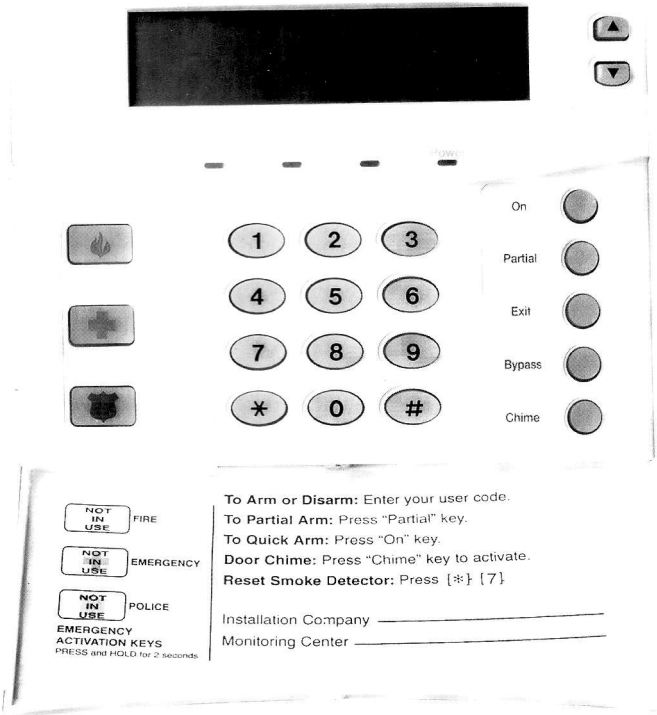


NetworX™ Series

NX-148E LCD Codepad

User Manual

TABLE OF CONTENTS

GLOSSARY OF TERMS 3

UNDERSTANDING THE LIGHTS 4

CODEPAD FUNCTIONS 5

- ARMING YOUR SYSTEM IN THE "ON" MODE 5
- MAKING YOUR SYSTEM READY TO ARM 5
- ARMING YOUR SYSTEM IN THE "PARTIAL" MODE 6
- USING THE QUICK ARM 6
- CHANGING MODES WHILE YOUR SYSTEM IS ARMED 6
- DISARMING YOUR SYSTEM 7
- BYPASSING ZONES 7
- GROUP BYPASS 8
- UNBYPASSING 8
- FUNCTION MENU 8
- VIEW ZONE STATUS 9
- SETTING THE CODEPAD TONE 9
- VIEW ALARM MEMORY 9
- TEST FUNCTION 9
- LIGHT CONTROL FOR X-10 DEVICES 10
- CHANGE LANGUAGES 10
- CHANGING USER CODES 10
- ASSIGNING USER CODE AUTHORITY LEVELS 11
- (SMOKE DETECTORS) RESET FUNCTION 12
- READING THE EVENT LOG 12
- ADJUSTING THE VIEW / BRIGHTNESS OF THE LCD 13
- SETTING THE SYSTEM CLOCK 13
- USING THE DOOR CHIME FEATURE 13

MULTI AREA SYSTEMS OPERATION 14

- LIGHTS IN MULTI AREA MASTER MODE 14
- DISPLAYS IN THE MULTI AREA MASTER MODE 14

CODEPAD CONTROL TONES (BEEPS) 17

SERVICE DISPLAY 17

EMERGENCY ACTIVATION KEYS 19

APPENDIX A - EVENT LOG 20

EMERGENCY EVACUATION PLANS 22

THIS MANUAL IS FURNISHED TO HELP YOU UNDERSTAND YOUR SECURITY SYSTEM AND BECOME PROFICIENT IN ITS OPERATION. ALL USERS OF YOUR SECURITY SYSTEM SHOULD READ AND FOLLOW THE INSTRUCTIONS AND PRECAUTIONS IN THIS BOOKLET. FAILURE TO DO SO COULD RESULT IN THE SECURITY SYSTEM NOT WORKING PROPERLY. THIS BOOKLET SHOULD BE KEPT IN AN ACCESSIBLE LOCATION FOR THE LIFE OF THE SECURITY SYSTEM. IF YOU DO NOT UNDERSTAND ANY PART OF THIS MANUAL, YOU SHOULD NOTIFY YOUR INSTALLING COMPANY. READ THE ENTIRE MANUAL AND, IF POSSIBLE, PRACTICE ON THE CODEPAD CONTROL WHILE YOUR PROFESSIONAL INSTALLER IS ON SITE.

The SECURITY CONTROL can be turned on (ARMED) and off (DISARMED) by entering a 4 or 6 digit code into the Codepad Control, which is similar to a telephone codepad. If your Security Control has been so programmed, you may be able to turn on (ARM) your System by simply pressing the [**PARTIAL**] or [**EXIT**] key. The system must always be Disarmed using a 4 or 6 digit code. The LCD codepad includes 9 lights and a 32-character liquid crystal display and a built-in electronic sounder. These provide specific information relating to the status of the security system which is described in the booklet. Understanding what the lights and sounds mean will help you to easily operate your system.

KEEP IN MIND, THE LEVEL OF SECURITY YOU WILL OBTAIN WITH THIS SYSTEM RELATES SPECIFICALLY WITH TWO MAJOR FACTORS:

1. The quantity, quality, and placement of security devices attached to this system.
2. The knowledge you have of the security system and how that knowledge is utilized in a weekly test of the complete system.

YOU SHOULD BE AWARE OF THE FOLLOWING FACTS WHEN PREPARING A SAFETY/SECURITY PLAN FOR YOUR HOME/BUSINESS.

1. Your security system is an electronic device and is subject to failure or malfunction. Do not rely on it as your single source of security.
2. Your system should be tested weekly.
3. Your system will not work without power.
4. Warning devices will need to be loud enough, wired correctly, and properly placed to provide notification of an alarm event.
5. Smoke and heat detectors may not detect heat and smoke in all situations.
6. Use qualified security professionals to install and maintain your security system.
7. It may be possible to arm the security system without the backup battery connected. Your periodic test should be done with A.C. Power removed to verify the battery is connected and adequately charged.
8. Care should be taken to plug in and restrain the A.C. Transformer after testing.

PLEASE READ THE FOLLOWING INFORMATION AND INSTRUCTIONS CAREFULLY BEFORE OPERATING YOUR SECURITY CONTROL SYSTEM. IF YOU DO NOT UNDERSTAND ANY PORTION OF THIS MANUAL, OR IF YOU HAVE ANY QUESTIONS ABOUT YOUR SYSTEM, CONTACT THE INSTALLING COMPANY.

GLOSSARY OF TERMS

Authority Level: The level of access an individual has when using an alarm panel.

Central Station: Location where alarm data is sent during an alarm report.

Chime Feature: An option that allows the codepad to sound a ding-dong whenever an entry/exit door is opened.

Codes: Can be either User Codes (relating to a person) or Function Codes (a toggle switch to turn specific functions on/off). **NOTE: A system may have either four (4) digit codes or six (6) digit codes, but not a mixture of the two.**

Duress Code: An option that allows a special code to be sent to the central station that indicates the alarm system is being operated under duress.

Forced Arming: An option that allows the system to be turned on (ARMED) with one or more zones open. A system that is ready to be "force armed" will flash the *ready light.* **NOTE: Those zones that are not ready will not create an alarm.**

Function Code: A Function Code is either a four (4) or six (6) digit code that has been programmed by the installer to operate a device.

Group Bypass: An option that allows the user to bypass multiple zones with a single operation.

Instant/Delay: An option that allows an instant alarm condition for Entry/Exit doors, or grants a delay to allow someone to enter/exit the building without an alarm or before entering a user code to disarm.

Master Code: A master arm/disarm code that can program other user codes.

Multi Area System: A system divided into multiple areas in which its own user or users control each area.

Perimeter: The outer edge of the protected area.

Quick Arm: An option that allows you to turn on (ARM) the security system by pressing either the [**ON**] or [**PARTIAL**] key on the codepad control (for ARMING only) as programmed by the installing company.

Universal Arm: When enabled, your alarm system can automatically determine whether to arm in the Full mode or in the present Partial mode by looking to see if you exit your or

stay inside after arming your system. NB: This function can be used in conjunction with the "Quick Arm".

User Code: A four (4) or six (6) digit entry used to arm or disarm the system.

UNDERSTANDING THE LIGHTS

Armed Light The *armed light* is "on" when the system is armed. The *armed light* is "off" when it is disarmed. The *armed light* will flash when there has been an alarm during the previous arm cycle.

Bypass Light The *bypass light* is "on" when any zone in this codepad's area is bypassed. If the *bypass light* is "off", no zones are bypassed.

Chime Light The *chime light* is "on" when the chime feature is "on"; "off" otherwise.

Exit Light The *exit light* is "on" during the exit delay. Please note that the light will flash during the last 10 seconds of the exit delay as a warning that the time is running out. (The user may want to disarm the system if the *exit light* is flashing in order to prevent an alarm. The user may then re-arm the system and exit before the delay expires.)

Fire Light A steady *fire light* means a fire zone has been faulted. A rapidly flashing *fire light* means that a fire zone is in a trouble condition.

Power Light The *power light* is on if the primary power is on. The *power light* will flash if the system has a low battery condition.

Ready Light The *ready light* is "on" when the system is ready to arm and "flashes" if ready to force arm. The *ready light* is "off" when the system is not ready to arm because of a zone(s) being faulted.

Partial Light A mode used to arm the perimeter and unused areas of an occupied premises

On Light The *on light* is "on" when the system is "armed". The *on light* is "off" when it is disarmed.

Instant Message The LCD display will read "Instant" when the entry/exit door(s) have no delay. (See "Arming System in Partial Mode", page 6.) The doors can be changed from instant to delay (toggled) by pressing the [**PARTIAL**] key when the system is armed.

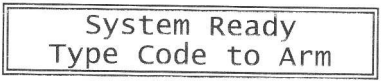
CODEPAD FUNCTIONS

ARMING YOUR SYSTEM IN THE "ON" MODE

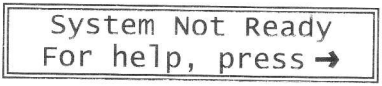
ON is utilized when the user is going on from the premise and wants the premises protected. Listed below are the steps to arm in the ON Mode:

Step 1 Close all protected doors and windows.

- *Ready light* will be on or flashing when all protected zones and sensors are secure. **NOTE: If any zones are bypassed, a sensor in that zone can be violated without affecting the *ready light*.**



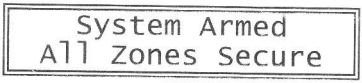
- The security system will not arm if the *ready light* is off. Refer to "Making Your System Ready to Arm".



- If the *power light* is off, you have no AC power. Restore power if possible. If not, contact the installing company.

Step 2 Enter your 4 or 6 digit user code to arm the system.

- The *armed and exit lights* will illuminate.
- You may now leave the building.



IMPORTANT!
The *exit light* will flash rapidly for the last 10 seconds of the exit delay as a warning to the user that the exit time is about to expire. The user may wish to disarm and rearm the system if more time is needed.

MAKING YOUR SYSTEM READY TO ARM

If the *ready light* is not on or if it is flashing, a zone is not secure. To identify this zone, use the scroll keys ▲ ▼ to the right of the display to browse through the zones that are not normal. If you wish to bypass or unbypass one of these zones, press the [**BYPASS**] key while that zone is being displayed. When finished viewing the zones, press the # key to return to the code entry screen.

ARMING YOUR SYSTEM IN THE "PARTIAL" MODE

PARTIAL is utilized when the user is inside the premise and wants protection around the perimeter. The steps to arm in the PARTIAL Mode are as follows:

Step 1 Close all protected doors and windows.

- *Ready light* must be on or flashing (force armed) when all protected zones and sensors are secure. **NOTE: If any zones are bypassed, a sensor in that zone can be violated without affecting the *ready light*.**
- The security system will not arm if the *ready light* is not on or flashing.
- If the *power light* is off, you have no AC power. Restore power if possible. If not, contact the installing company for service.

Step 2 Press the [**PARTIAL**] key.

- The *partial light* will illuminate indicating that all interior zones are bypassed. (All interior devices will bypass automatically, giving the user freedom of movement within the interior area.)
- The *bypass light* will illuminate if any zone(s) are bypassed. If any zone (s) have been bypassed previously by the user, the light(s) corresponding to the bypassed zone(s) will illuminate, alerting the user that a zone(s) may be unprotected and can be faulted without an alarm.

USING THE QUICK ARM

The Quick Arm feature may be used if it is enabled. Quick Arm will allow the user to arm the security system in the ON mode by pressing the [**ON**] key. The system can be quick armed in the PARTIAL mode by pressing the [**PARTIAL**] key. This feature is used for ARMING ONLY, and will not disarm the security system. This is ideal for a maid or baby sitter code, etc.

CHANGING MODES WHILE YOUR SYSTEM IS ARMED

Step 1 Pressing the [**PARTIAL**] key will turn on/off (toggle) a delay on Entry/Exit doors. The "Instant" message will toggle on the LCD display.

Step 2 (Optional, if programmed.) When armed, pressing the [**EXIT**] key will start the Exit delay, enabling you to leave the building.

IMPORTANT!

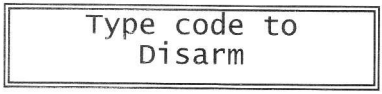
An alarm will be created if the "*Instant*" message is ON at this time and you re-enter the building. You may re-initiate an entry/exit delay by pressing the [PARTIAL] key again. The "*Instant*" message will disappear.

DISARMING YOUR SYSTEM

When you enter the protected area through one of the designated Entry/Exit doors, the codepad control will sound a continuous tone for the duration of the entry delay time, or until you enter a valid code.

Step 1 Enter a valid user code.

Step 2 The red *armed light* will go off and the tone will stop. The security system is now DISARMED. If a valid code is not entered before the end of the entry delay, an alarm will occur. **NOTE: If the red *armed light* is flashing during the entry delay, the alarm system has been activated in your absence. Leave the building immediately and call your alarm company and/or the police from a safe location.**



BYPASSING ZONES

If you wish to bypass one or more zones, this must be done while the system is in the disarmed state. If the zone is not known, refer to Procedure #2.

Procedure #1 If you know the number of the zone to bypass, use the following:

Step 1 Press the [**BYPASS**] key.

Step 2 When the LCD prompts for a code (optional, if programmed), enter your user code.

Step 3 The *bypass light* flashes.

Step 4 Enter the zone you wish to bypass. (Example: Press **0** **6** for zone 6 (NX4, 8, 12, 16) or **0** **0** **6** for zone 6 (NX128).

Step 5 Press the [**BYPASS**] key again. The zone is now bypassed.

Step 6 Repeat steps 4 and 5 for any other zone(s) that need to be bypassed.

Step 7 Press the [**BYPASS**] key again OR press **#** to exit the Bypass Mode. The *bypass light* will stop flashing upon exiting the Bypass Mode. Pressing the ▲ ▼ scroll keys will display all bypassed zones. Press the **#** key to exit this viewing mode.

Procedure #2 If you do not know the number of the zone you wish to bypass, use the following steps:

Step 1 Press ***** ▲ The description for zone 1 will be displayed.

Step 2 Use the ▲ ▼ scroll keys to browse through the custom descriptions for the zones in this system.

Step 3 To bypass or unbypass a specific zone, press the [**BYPASS**] key while that zone is displayed.

Step 4 When finished, press the # key to return to the code entry screen.

GROUP BYPASS

By pressing the [**BYPASS**] key, followed by the 0 0 key, then the [**BYPASS**] key again, all zones that are designated as group bypass zones will be bypassed. Press the [**BYPASS**] key again to exit group bypassing.

UNBYPASSING

To manually unbypass zones, perform the bypassing procedure on a zone that is already bypassed. **NOTE:** All zones will automatically be unbypassed each time the system is disarmed.

FUNCTION MENU

The functions listed below are found in the Function Menu.

Step 1 Press * The display will now begin scrolling though a list of functions and the corresponding numbers associated with those functions.

Step 2 Press the number listed on the display in order to access that particular function. ***Hint***: If you already know the function numbers simply press [*] followed by the function number.

The following list of menu selections will scroll automatically. **NOTE**: Some of the functions are not listed because they are installer level functions. Each time the [*] key is pressed the next menu item will be displayed. Press # to exit to this menu.

```
Select an Option
Press * for Help
```

This is a sample of the display. The list below reflects the available functions.

↕=Zone Review	45=Display Test	90=Log Review
0=Set Tone	46=Light Control	91=View Settings
1=Master Mode	49=Espanol	97=Set Date/Time
2=Service Check	5=User PIN	CHIME=Walk Test
3=Alarm Memory	6=User Authority	EXIT=Silent Exit
44=Test	7=Detector Reset	

VIEW ZONE STATUS

Step 1 Press * ▲ . The LCD Screen will display the zone status.

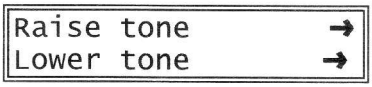
Step 2 Use the up and down scroll keys to browse through the descriptions. The LCD Screen will display the list of all zones in sequential order by zone number.

Step 3 Press [#] to exit this function.

SETTING THE CODEPAD TONE

Step 1 Press * 0 . Codepad is now in the "Adjust Tone" mode.

Step 2 Press the ▲ up scroll key located on the right side of the display to adjust the codepad sounder to higher tones.



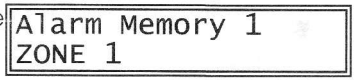
Step 3 Press the▼ down scroll key to adjust the codepad sounder to lower tones.

Step 4 When the desired tone is reached, press # to set this tone and exit from the "Adjust Tone" mode.

VIEW ALARM MEMORY

Step 1 Press * 3 to display the zone(s) on the codepad that created the last alarm.

Step 2 The LCD Screen will display the zone description for those zones.



Step 3 Press [#] to exit the alarm memory.

TEST FUNCTION (Optional, if programmed)

If programmed, this function will perform a battery test, communicator test, and/or a siren test. No alarms will be sent, and no reports will be sent unless a communicator test is performed, in which case a test signal will be sent.

Step 1 Press * 4 4 . The test will be performed as programmed.

Step 2 If the siren test is performed, enter a user code to silence the siren.

DISPLAY TEST FUNCTION

This function will perform a test of the LCD display. No alarms or reports will be sent.

Step 1 Press ✱ 4 5 . The test will be performed and all of the display pixels and LED indicators will flash until another key is pressed.

Step 2 Press any key to end the test.

LIGHT CONTROL FOR X-10 DEVICES (Optional, if programmed)

This menu allows you to control up to ten X-10 devices from each codepad.

Step 1 Press ✱ 4 6 . The LCD screen will prompt you to "Select Light Number 0 - 9".

Step 2 Enter the number of the X-10 device you want to control. The LCD screen will show the light number on the left. On the right side of the display it will prompt you to turn the light (X-10 device) "On" or "Off".

Step 3 Press the ▲ to turn the X-10 device "On" or press the ▼ to turn the X-10 device "Off".

Step 4 The LCD screen will again prompt you to "Select Light Number 0 - 9".

Step 5 Repeat Steps 2 and 3 until complete.

Step 6 Press # to exit from the X-10 menu.

CHANGE LANGUAGES

This function allows you to switch between the two languages programmed in your codepad. **NOTE**: You must exit any other function mode before attempting to change languages.

Step 1 Press ✱ 4 9 . The LCD codepad is now toggled to the second language.

Step 2 Repeat Step 1 to revert to the first language.

CHANGING USER CODES

Step 1 Press ✱ 5 . The LCD Screen will prompt for a code.

Step 2 Enter [**master code**]. The LCD Screen will prompt for a user number. **NOTE: For area systems, if you are changing the code of another person, you must have access to all areas, or at least all of the areas to which the other person has access.**

Step 3 Enter the 2-digit (applies to NX4/12/16) or 3-digit (applies to NX128) user number. Always use leading zeros when necessary, i.e. "004" for user number 4.

The LCD codepad will display the current code for this user. Stars (✱) represent blanks. **NOTE:** To delete a user code, press [✱]-[✱]-[✱]-[✱] for a 4-digit code or [✱]-[✱]-[✱]-[✱]-[✱]-[✱] for a 6-digit code.

Step 4 Enter the new user code for that individual. If you are changing the current code, you may use the up and down scroll keys to select the digit to change and enter the correct number. If it rejects the code because of duplication or such, the sounder will beep 3 times.

Step 5 If another user code needs to be programmed, return to step 3 and enter the user code.

Step 6 To exit Code Programming, press # while the screen is prompting for a new user.

ASSIGNING USER CODE AUTHORITY LEVELS

Assign authority levels to users by following the steps below. Assign user codes before assigning authority levels.

NOTE: You must have authority to the area you wish to add or remove from another person's authority.

Step 1 Press ✱ 6 . The LCD Screen will now prompt for a code.

Step 2 Enter [**master code**]. The LCD Screen will prompt for a user number.

Step 3 Enter the 2-digit (applies to NX4/12/16) or 3-digit (applies to NX) user number. Always use leading zeros when necessary, i.e. "004" for user number 4. The LCD will now prompt you for the attributes in the following chart

PROMPT	
Outputs used?	← DO NOT CHANGE THIS SEGMENT!
Open / Close Rprt? Bypass enable? Arm / Disarm?	(These are for use by a professional installer only.)
Master code? Sched arm only? Arm only? Reserved	0=No 1=Yes Your keypress will apply to the user code you entered in Step 3.
Output 4 ? Output 3 ? Output 2 ? Output 1?	If these messages appear on the LCD screen, press the [✱] key until you return to the prompt for the user code or until you exit this adjust mode.

Step 4 **NOTE**: The LCD will now display all of the areas to which this user has access. If you wish to remove a area, press the area number on the

codepad, and the display will mark that area with a (-) hyphen indicating access has been removed. If you wish to re-establish user access to the area, press the area number again.

Step 5 Press ✱ to save the data. The LCD will then prompt you for the next user.

Step 6 If another user code needs to be programmed, return to Step 3. If not, press # to exit this feature without saving the data.

(SMOKE DETECTORS) RESET FUNCTION

This function is used to reset Smoke Detectors, Zone Troubles, and Zone Tampers.

Step 1 Disarm the system if it is not already disarmed.

Step 2 Press ✱ **7** . Resets have now been performed.

Step 3 If the codepad begins beeping, the reset did not execute properly. Enter your code to silence the codepad. Wait a few minutes and repeat step 2 to attempt another reset. If the codepad still beeps after repeated attempts, please contact your installer.

READING THE EVENT LOG

The control panel has an event log that can be retrieved using a master code. This log contains a listing of the events along with date, time, and area where the event occurred.

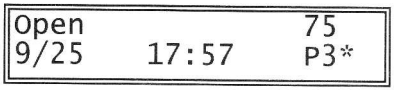
Step 1 To view the log, press ✱ **9** **0** . The LCD screen will prompt you for a code.

Step 2 Enter your master code. The LCD screen will now show the most recent event.

Step 3 To view the events from most recent to the oldest, press ▼.

Step 4 To view the events from the oldest to the newest, press ▲.

The display contains the following information.



Event →

Date → (Month/Day)

← User or Zone ID

← Indicates area and ✱ indicates an event not reported

↗ Time shown in 24-hour format

This screen snows an opening of Area 3 on September 25th at 5:27 p.m. by user 75. The [*] snows that this event is not programmed to be reported to the central monitoring station. Refer to Appendix A on page 19 for a list of possible log messages.

ADJUSTING THE VIEW / BRIGHTNESS OF THE LCD

Step 1 Enter * 9 1 . The LCD Screen will prompt for a code.

Step 2 Enter [**master code**]. The LCD will now prompt you to raise or lower the view.

Step 3 Using the ▼ ▲ scroll keys to the right of the LCD, you can raise or lower the viewing angle of the text.

Step 4 To advance to the Brightness option, press * The LCD will prompt you to brighten or dim the LCD lighting. Use the scroll keys again to adjust to desired brightness.

Step 5 When completed, exit by pressing *

SETTING THE SYSTEM CLOCK

Step 1 Enter * 9 7 . The LCD Screen will prompt for a code.

Step 2 Enter [**master code**]. The time and date will be displayed with the current hour flashing.

Step 3 Use the ▲ ▼ scroll keys to select the proper hour.

Step 4 Press the * key to move to the minutes, day of week, date, month, and year.

Step 5 Repeat Steps 3 and 4 until the entire time and date are set.

USING THE DOOR CHIME FEATURE

The door chime is turned on or off by pressing the [**CHIME**] key. If the chime is on, the *chime light* will be illuminated. If the chime is off, the *chime light* will be off. Each press of the [**CHIME**] key will toggle the chime feature on/off and produce a momentary ding-dong sound.

MULTI AREA SYSTEMS OPERATION

If your system is a multi-area and the codepad resides in one area, your codepad will provide the status of the zones in your areaing by using the screen messages described earlier in this manual. The Master Mode of operation allows you to temporarily access any area (providing your code is authorized) within the system and to perform functions in other areas. Read this entire manual to help you understand the different screen messages that will be displayed from your codepad.

NOTE: * 1 will ***temporarily*** access the Master Mode. The codepad will revert back to its assigned area 60 seconds after a keypress, or 10 seconds without a keypress. Press [#] to exit this mode.

LIGHTS IN MULTI AREA MASTER MODE

- **ARMED** will illuminate if ALL areas are armed.
- **READY** will illuminate if ALL areas are "Ready". The *ready light* will flash if all areas are Ready or Force armable.
- **FIRE** will illuminate if ANY one area has a Fire condition. The *fire light* will flash if ANY area has a Fire Trouble condition.
- **POWER** will illuminate if the primary power is connected to the NX-8 control panel. It will flash if the system has a low standby battery condition.
- **PARTIAL** will illuminate if ANY area has the *partial light* on.
- **CHIME** will illuminate if ANY area is in the "Chime" mode.
- **EXIT** will illuminate if ANY area is timing an exit delay. It will flash if ANY area is in the last 10 seconds of an exit delay.
- **BYPASS** will illuminate if ANY area has a zone bypassed.
- **SOUNDER** will sound if ANY area has the sounder on. This includes Entry delay, Exit delay, Chime, and Alarm.

DISPLAYS IN THE MULTI AREA MASTER MODE

- **ARMED and READY STATUS**

  The LCD screen will display the Armed and Ready status of ALL eight (8) areas if any or all of the areas is armed or not ready.

Ready	**12345678**
Armed	**1234-678**

This display is reflecting all 8 areas are Ready, and Area 5 is disarmed. **NOTE**: If a number is flashing on the Armed line, that area is armed *Instant*. If a number is flashing on the Ready line, that area is ready to be *Force Armed*.

System Ready Type code to arm

If ALL areas are disarmed and ready to arm, this display will appear on the LCD screen.

■ ARMING AND DISARMING MULTIPLE AREAS

To arm/disarm multiple areas, enter a code that has arm/disarm authority for ALL of the areas to be armed/disarmed. The following display will appear on the LCD screen.

12-45-78 Disarm ➔ --3 67- Arm ➔

The numbers on the ***top line*** represent the disarmed areas to which this code has access. The numbers on the ***bottom line*** represent the areas that are armed. Refer to the following table for possible conditions.

LCD DISPLAY FOR AREA TOP LINE OVER BOTTOM LINE	CONDITION
Blank Blank	Area Not used or Authorized
Dash (-) Dash (-)	Area Not Ready
Flashing Area # Dash (-)	Area Ready to Force Arm
Dash (-) Flashing Area #	Area Armed Instant
Area # Dash (-)	Area Disarmed & Ready to Arm
Dash (-) Area #	Area is Armed

- To disarm *all* of these areas, press ▲.
- To arm *all* of these areas, press ▼.
- To toggle a single area between the armed and disarmed conditions, press [✱][Area number]. For example: If Area 4 is armed, [✱] [4] will disarm Area 4. If Area 4 is disarmed, [✱] [4] will arm it.
- Press [PARTIAL] during the exit delay to bypass all interior zones in the exit delay.
- To control the individual areas, refer to the following section.

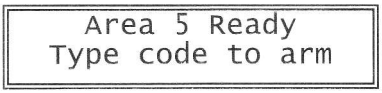
■ OPERATING INDIVIDUAL AREAS IN THE MULTI-AREA MODE

Enter a code that is a valid arm/disarm code for the area you wish to operate. The following display will appear on the LCD screen.

Only the areas authorized by this code will appear.

To toggle between the armed and disarmed states of an individual area, press [✱] [Area number].

To operate an individual area, enter the number of the area you wish to operate. The LCD codepad will now operate as a single area codepad. All keys and functions entered will affect this individual area only. The lights and display represent the status of that area only. The word "System" will be replaced with the word "Area #". The following is an example of this feature. To exit this screen, press [#].



Area 5 is selected and Area 5 is ready to arm. To exit the individual area mode, enter [#]-[#].

■ SILENCING ALARMS IN THE MULTI-AREA MODE

If the codepad is sounding an alarm or the siren is running, it can be silenced by entering a code with the authority for the area(s) that are in alarm. **NOTE**: The [**EXIT**], [**BYPASS**], and [**PARTIAL**] keys will only work if an individual area is selected.

BYPASS IN THE MULTI AREA MODE

If you wish to bypass one or more zones, this must be done while the system is in the disarmed state.

Step 1 Press the [✱] [1] key.

Step 2 When the LCD prompts for a code, enter your user code.

Step 3 Enter the area number [X] e.g. for area 3 Press [3].

Step 4 Press the [**BYPASS**] key

Step 5 The *bypass light* flashes.

Step 6 Enter the zone you wish to bypass. (Example: Press **6** for zone 6 or **1** **1** **2** for zone 112.)

Step 7 Press the [**BYPASS**] key again. The zone is now bypassed.

Step 8 Repeat steps 6 and 7 for any other zone(s) that need to be bypassed.

Step 9 Press the [**BYPASS**] key again. OR press # to exit the Bypass Mode. The *bypass light* will stop flashing upon exiting the Bypass Mode. Pressing the ▲ ▼ scroll keys will display all bypassed zones. Press the # key to exit this viewing mode.

CODEPAD CONTROL TONES (BEEPS)

The built-in codepad and may sound for any of the following reasons:

- Beeps for all keypress.
- Sounds a continuous tone during the Entry delay time.
- Pulses when a day zone is violated while the system is disarmed.
- Pulses when a FIRE zone has a trouble condition.
- Pulses when the armed status changes and the AC power is off.
- Beeps 3 times for trying to arm with the "READY" light off, if "FORCE ARMING" has not been selected.
- Beeps 1 second for the 'CHIME" feature.
- Beeps 1 second at the end of the exit delay.
- Beeps to indicate telephone line fault if selected.
- Beeps during an exit delay; beeps rapidly for the last 10 seconds of an exit delay; and beeps 1 second at the end of the exit delay.
- Pulses when one or more of the following conditions are detected: Zone or Box Tamper, Low Battery, AC Power Fail, or Expander trouble.
- Beeps 3 times every minute indicating a low battery or missing transmitter is detected (if wireless device is in system). Entering code will suppress the sounder for 12 hours.

Entering a valid code will silence the codepad sounder when it is pulsing. The arm/disarm state of your system will not change when entering a code to silence a pulsing codepad sounder. Please contact your installer if a trouble condition exists.

SERVICE DISPLAY

The following message will be displayed periodically if the security system requires service. Call your service provider promptly if this message is observed.

Service Required Type *2 for help

If you see this display, press * 2 One or more of the following fault messages will be displayed. Use ▲ ▼ to browse through them. To exit , press [#]-[#].

Control Box tamper

(Optional) The Box Tamper circuit has activated.

Control Fail to Comm.

The control attempted to communicate a message to the Central Station, but was unsuccessful.

Control Loss of time	Your system has lost total power and needs the clock reset.
Control Low Battery	The standby battery is low.
Control Over-current	A short circuit of a control's power supply has occurred.
Control Phone trouble	The phone line connected to the control is not operating properly.
Control Power trouble	The main power to your system is not on.
Control Siren trouble	Open circuit has occurred on the bell or siren circuit.
Expansion Aux. comm. fail	An auxiliary reporting device has failed to communicate.
Expansion Box tamper	A box containing an expansion device has been opened.
Expansion Low Battery	An expansion power supply has a low battery.
Expansion Over-current	A short circuit of an expansion devices' power supply has occurred.
Expansion Power trouble	The main power to an expansion power supply is not on.
Expansion Siren trouble	Open circuit has occurred on the bell or siren circuit of the expander
Expansion RF Jammed	A radio receiver is being jammed. (Not applicable to all controls.)
Expansion Trouble	An expansion device or codepad is not reporting to the control panel.

Zone Lost, Press *	A wireless or multiplexed zone device is not reporting to the control. Press [*] to identify the zone.
Zone Low Batt, Press *	A wireless device has a low battery. Press [*] to identify the zone.
Zone Tamper, Press *	A zone is tampered. Press [*] to identify the tampered zone.
Zone Trouble, Press *	A zone is experiencing some form of trouble (probably wiring). Press [*] to identify the zone.

EMERGENCY ACTIVATION KEYS

NOTE: You must press and hold these keys for 2 seconds to activate these functions. Your system may not be programmed for these activations.

Fire

Auxiliary Emergency

Police

Fire Key - If programmed, you can activate the Fire alarm by pressing the Emergency Activation [**Fire**] key for two seconds. If your system is connected to a monitoring center, an emergency report could be sent to that center. This key should only be pressed in an emergency situation requiring response by fire department personnel.

Auxiliary Key - If programmed, you can activate the auxiliary alarm by pressing the Emergency Activation [**Auxiliary**] key for two seconds. If your system is connected to a monitoring center, an emergency report could be sent to that center. This key should only be pressed in an emergency situation requiring response by emergency personnel.

Police (Panic/Hold-Up) Key - If programmed, when the Emergency Activation [**Police**] key is pressed for two seconds, a local audible alarm will sound. If your system is connected to a monitoring center, an emergency report could be transmitted to that center. These keys should only be pressed in an emergency situation requiring immediate response by law enforcement personnel. **NOTE**: Some Panic/Hold-Up alarms are programmed to be silent at the protected site while reporting an alarm to the monitoring center. Check with your installing company to determine how your security system will respond to the Panic/Hold-Up activation.

APPENDIX A - EVENT LOG

NOTE: Your system may not have all of the features listed in this table.

DISPLAY		DESCRIPTION
TXlobat	Transmitter Low Battery	The transmitter has a low battery.
ZN Lost	Zone Lost	A wireless or multiplexed zone device is not reporting to the control.
Duress	Duress	The control has been armed or disarmed with a Duress code.
Man Fire	Manual Fire	Codepad "Fire" has been activated.
Aux 2	Auxiliary 2	Codepad "Medical" has been activated.
Panic	Panic	Codepad "Panic" has been activated.
KP Tamper	Codepad Tamper	The codepad tamper has been activated.
BoxTamp	Box Tamper	The box tamper circuit has been activated.
AC Fail	AC Fail	AC failure has been detected.
OverCur	Over Current	A short circuit of a power supply has occurred.
Srn Tamp	Siren Tamper	A siren or speaker tamper has been detected.
Tel Flt	Telephone Fault	A telephone fault or tamper has been detected.
Exp Trb	Expansion Trouble	An expansion device or codepad is not reporting to the control.
Log Full	Log Full	The event log is full. Old events will be pushed out as new ones enter the log.
Open	Open	Reports user number, date, time and area of opening.
Close	Close	Reports user number, date, time and area of closing.
Exit Err	Exit Error	Entry/Exit zone was faulted at the instant the exit delay expired.
Rec Close	Recent Close	An alarm occurred within 5 minutes after the control was armed.
Autotest	Auto Test	Sending a communicator test at a specified interval.
Start Prog	Start Programming	Local programming is started.
End Prog	End Programming	Local programming is ended.
Start Dnld	Start Download	Download session is started.
End Dnld	End Download	Download session is ended.
Gnd Flt	Ground Fault	A short to ground has been detected.

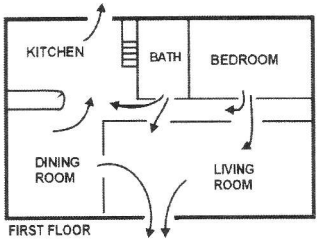
DISPLAY		DESCRIPTION
Man Test	Manual Test	Bell and/or communicator test while system is in disarmed condition.
Re-exit	Re-Exit	The exit delay has been re-started without disarming the system.
Output Trip	Output Trip	A trip has occurred on an expander auxiliary output.
Data Lost	Data Lost	Communication of a signal has failed (log only event).
Walk-test	Walk-Test	A zone "Walk-Test" mode has been activated.
End Test	End Test	Test has been ended.
Cross-Trip	Cross Trip	The first zone of a cross zone has been tripped (log only).
Expansion Event	Expansion Event	An expansion module created an undefined event.
Partial Arm	Partial Arm	Reports a closing in the partial mode.
Listen In	Listen In	A listen in function has been activated.
Service Start	Service Start	Technician is on site.
Service End	Service End	Technician is off site.
Code Entry	Code Entry	A code has been entered.
First Open	First Open	Reports when the first area is disarmed.
Last Close	Last Close	Reports when the last area is armed.
Sprnklr	Sprinkler	Instant sprinkler supervisory report
Clock Set	Clock Set	Clock has been reset.
RF Jammed	RF Jammed	A wireless expansion module is jammed
CleanMe	CleanMe	A smoke detector requires cleaning.

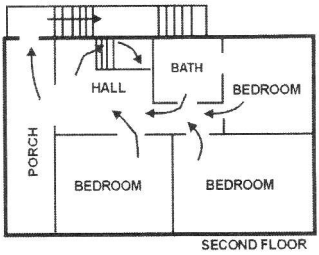
EMERGENCY EVACUATION PLANS

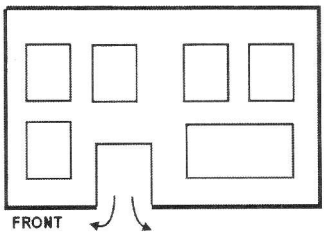
An emergency evacuation plan should be established for an actual fire alarm condition. For example, the following steps are recommended by the National Fire Protection Association and can be used as a guide in establishing an evacuation plan for your building.

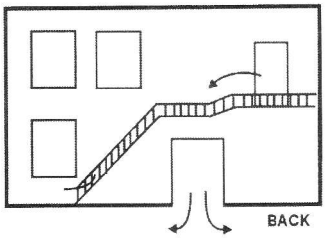
Draw up a floor plan of your home. Show windows, doors, stairs, and rooftops that can be used for escape. Indicate each occupant's escape routes. Always keep these routes free from obstruction. Determine two means of escape from each room. One will be the normal exit from the building. The other may be a window that opens easily. An escape ladder may have to be located near the window if there is a long drop to the ground below. Set a meeting place outdoors for a headcount of the building occupants. Practice escape procedures. In a home, sleep with bedroom door closed; this will increase your escape time. If you suspect fire, test the door for heat. If you think it is safe, brace your shoulder against the door and open it cautiously. Be ready to slam the door if smoke or heat rush in. Practice escaping to the outdoors and meeting in an assigned spot. Call the Fire Department from a neighbor's phone.

NOTE: After the installation of your Security System has been completed, notify your local Fire and Police Departments to give them your name and address for their records. Early warning fire detection is best achieved by the installation of fire detection equipment in all rooms.









NX-148E LCD CODEPAD

FIRE Light is "on" to indicate fire alarm, flashes to indicate a trouble condition with your fire system.

READY Light is "on" when the system is ready to arm, flashes if ready to "force arm".

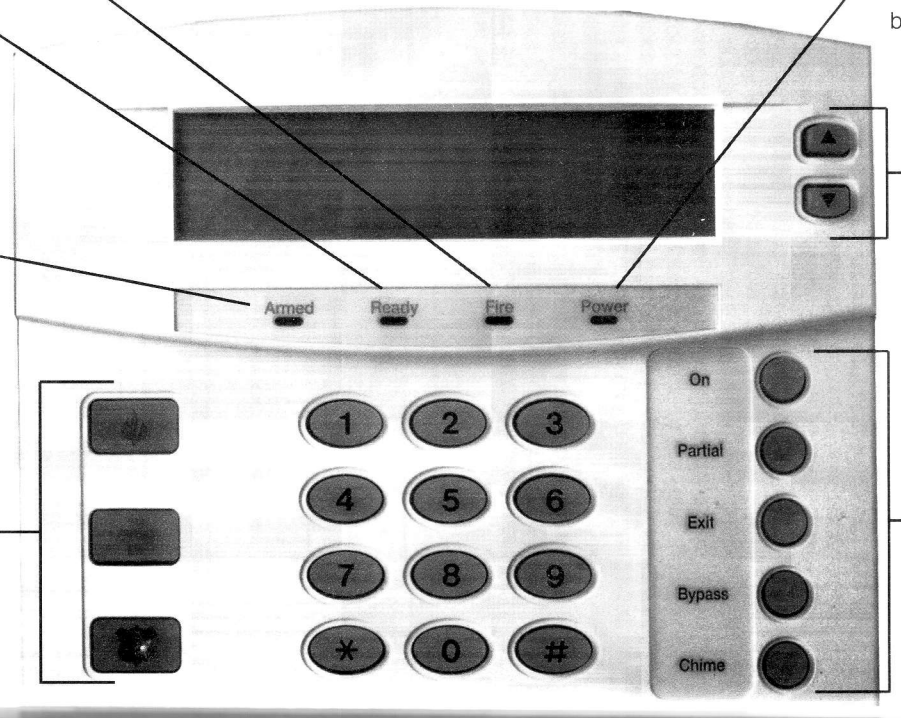
ARMED Light is "on" when armed, "off" when disarmed. Flashes to indicate a previous alarm.

PROGRAMMABLE EMERGENCY ACTIVATION KEYS

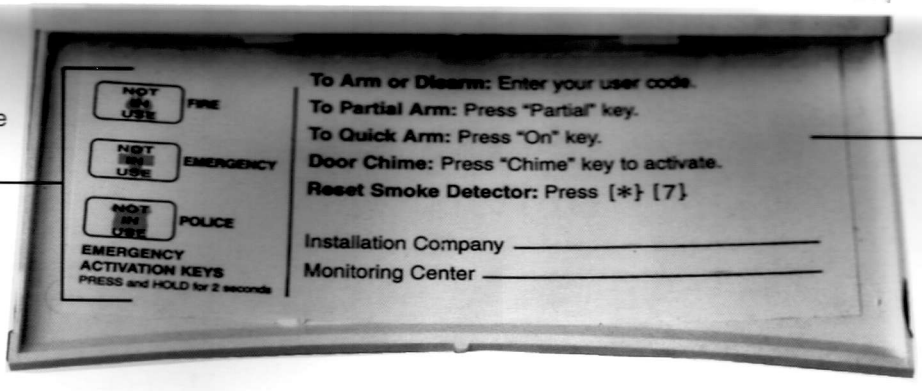
POWER Light is "on" when AC power is present, flashes to indicate a low battery condition.

UP & DOWN SCROLL KEYS

5 FUNCTION KEYS perform various functions.



The appropriate stickers should be applied on the door of your codepad for the Emergency Activation keys that are programmed to work with your system.



The door is detachable and can be removed or replaced when desired.

This system is ☐ is not ☐ multi-area.

Your System is programmed for the functions checked below.

☐ Fire Emergency	☐ Chime Feature	☐ Group Bypass
☐ Aux Emergency	☐ Quick Arm	☐ Partial Arm
☐ Police Emergency	☐ Re Exit Feature	☐ Auto Arming
☐ Fire Alarm Verification	☐ Phone Line Monitor	☐ Forced Arming

NOTE: Some of the features described above may or may not be available for your system. Check with your installation company to find out how your system is programmed.

DIRECT ALARM SUPPLIES

NX148-E USERS MANUAL

NX148EDASUA03 REV A (30/1/2003)

D&W PRINTING, INC.